

**Summary of Bill of Quantities for Works**  
***Including Addendum #1***

***Note: Items changed via the Addendum #1 are shown in bold italics font.***

<b>Bill No.</b>	<b>Description</b>	<b>Price</b>
1	Preliminary and General	\$0
2	Miscellaneous Cast-In-Place Concrete	\$0
3	Wastewater Holding Tank, Sewer and Drain Piping	\$0
4	Water Piping and Wells	\$0
5	Power Supply	\$0
6	Miscellaneous Site Items	\$0
	Sub-total	<b><i>\$0</i></b>

**Bill No. 1 Preliminary and General**

Item No.	Description	Unit	Qty.	Unit Price	Price
1.01	Contractor's mobilization Compensation in full for the cost of establishing plant, equipment, materials and personnel on site to the satisfaction of the Engineer for the Contract.	LS	1		\$0
1.02	Contractor's Demobilization. Compensation in full for the cost of removing plant, equipment, facilities and personnel from the site, including restoration of the Area to a satisfactory condition as approved by the Engineer for the Contract.	LS	1		\$0
1.03	Site clearing/ Rough Grading	LS	1		\$0
1.04	Site Fill and Fine Grading	cu. m	5300		\$0
	<b>Total</b>				<b>\$0</b>

**Bill No. 2 Miscellaneous Cast-In Place Concrete**

Item No.	Description	Unit	Qty.	Unit Price	Price
2.01	150mm Depth Reinforced Concrete Sidewalk/Walkway/Assembly Area/Bike Parking Area. Works include base material and compaction, control joints. <b>Quantity of sidewalk is reduced due to elimination of new sidewalk near monument, per Dwg C-03.3 of Addendum #1.</b>	sq. m	2228		\$0
2.02	150mm Depth Reinforced Concrete Driveway/Parking Area. Works include base material and compaction, control joints. <b>Quantity of pavement is reduced due to elimination of pavement near the "piano stairs" of the Linkway Building. See Dwg C-03.3 of Addendum #1.</b>	sq. m	2521		\$0
2.02a	<b>Note that the control joints for the concrete pavement and sidewalk on Dwgs C-03.1 through C-03.6 of Addendum #1 are not considered a change to the design. Expansion joints in Sidewalks are described in Section 32 16 13, Concrete Sidewalks and Curbs and Gutters. Contraction and construction joints for concrete pavement are specified in Section 32 13 13.06, Portland Cement Concrete Pavement for Roads and Site Facilities.</b>	N/A	N/A	N/A	N/A
2.03	Reinforced Concrete Spill Pad for Water Tank - 1M x 1M x .4M <b>Refer to detail on Dwg C-10 of Addendum #1.</b>	LS	1		\$0
2.04	150 x 150mm Reinforced Concrete Curb. <b>Quantity of curb is reduced due to elimination of curb near the "piano stairs" of the Linkway Building. See Dwg C-03.3 of Addendum #1.</b>	m	632		\$0
2.05	3.6 x 3.6 x 0.2 m Generator pad	LS	1		\$0
2.06	2.4 x 9.6 x 0.2 m Transformer pad	LS	1		\$0
	<b>Total</b>				<b>\$0</b>

**Bill No. 3 Wastewater Holding Tank, Sewer and Drain Piping**

Item No.	Description	Unit	Qty.	Unit Price	Price
3.01	30.00 x 9.1 x 0.20 m Reinforced Concrete Pad for WWTP as shown on C-21, including pumping and disposal of groundwater.	LS	1		\$0
3.02	WWTP - 100mm Schedule 40 PVC Sludge Connection as shown on Sheet C-19, including heat tracing	LS	1		\$0
3.03	WWTP - 38,000 gpd package plant as shown Sheet C-20	ea	2		\$0
3.04	WWTP- 100mm SDR 17 HDPE pipe and Sch 80 PVC pipe for influent forcemain connections from pump station to WWTP, including 100mm influent valves and heat tracing, per C-19	LS	1		\$0
3.05	Reinforced Concrete Grey Water Storage Tank, including hatches, pumps and controls shown on C-13.	ea.	2		\$0
3.06	<b>Add #1</b> Reinforced Concrete Sanitary Pump Station including hatches, pumps, and controls as shown on Sheet C-16 <b>of Addendum #1. Provide deeper pump station</b>	LS	1		<b>\$0</b>
3.07	<b>Add #1</b> 150mm Diameter corrugated HDPE Pipe for sewer main including fittings, installed in trench with compacted backfill as shown on Sheet C-07.1 and C-07.2 <b>Provide deeper sewer line and extension for future Administration Building in accordance with Addendum #1.</b>	m	<b>269</b>		<b>\$0</b>
3.08	150mm Diameter corrugated HDPE Pipe for Grey Water Line Installed in trench with compacted backfill as shown on Sheet C-07.1 and C-07.2.	m	27		\$0
3.09	<b>Add #1</b> Reinforced Concrete Sewer Manhole with Frame, Grate, Ladder Rungs, and all appurtenances as shown on Sheet C-08.3. <b>Provide deeper manholes for future Administration Building in accordance with Addendum #1.</b>	ea.	5		<b>\$0</b>
3.10	Treated Effluent Outfall, Sch 80 PVC, including perimeter wall penetration as shown on Sheet C-05.1 and C-19	ea.	1		\$0
3.11	Sanitary Cleanout as shown on Sheet C-08.1	ea.	2		\$0
3.12	Backflow Prevention Device as shown on Sheet C-08.2	ea.	2		\$0
<b>Total</b>					<b>\$0</b>

**Bill No. 4 Water Piping and Wells**

Item No.	Description	Unit	Qty.	Unit Price	Price
4.01	4.8 x 8.8 m Potable Water Tank including Chlorine Feed, overflow and outflow piping, vent, excavation, backfill, installation, and necessary fittings, as shown on Sheet C-10	LS	1		\$0
4.02	Well construction including drilling, surface seal casing, casing, intake screen, filter pack, and well testing as shown on Sheet C-09.1 and c-09.2.	LS	1		\$0
4.03	Well Pump and controls, pad, discharge piping, valving, and appurtenances, including heat tracing as shown on Sheet C-09.2	LS	1		\$0
4.04	Booster Pump house--all structural and architectural work (excluding louvers), including the sidewalk and stairs, as shown on Sheets C-22, A-01 to M-01	LS	1		\$0
4.05	Booster Pump House --Including all electrical and instrumentation work (excluding that provided under the booster pump and chlorination system items) as shown on E-10.1 and E-10.2.	LS	1		\$0
4.06	Booster Pump House - Chlorine Disinfection Unit and water dilution system as shown on Sheets C-22 and M-01	ea	1		\$0
4.07	Booster Pump house - Water Booster Pump and Pressure Tank Booster Paq as shown on Sheet C-22, including water supply and discharge piping within the footprint of the building.	ea	1		\$0
4.08	Booster Pump House - Mechanical equipment (heaters, fans) and louvers as shown on Sheet M-001.	ea	1		\$0
4.09	Water Service Connections as shown on Sheet C-07.1 and C-07.2	ea.	2		\$0
4.10	150mm Diameter SDR 17 HDPE Water Main including fittings, installed in trench with compacted backfill and all necessary thrust blocks and pipe support as shown on Sheet C-07.1 and C-07.2. <b><i>Include the additional water line extended to serve the future Administration Building, per Dwg C-07.1 of Addendum #1.</i></b>	m	273		\$0
4.11	Buried Gate valves w/ valve box and 1x1m square concrete pad as shown on Sheet C-07.2	ea.	3		\$0
4.12	<b><i>Non-freeze hose bib at the WWTP, including 50mm gate valve, 50 mm water line, non-freeze hose bib, and protective bollards, as shown on Dwg C-07.2 of Addendum #1.</i></b>	LS	1		\$0
	<b>Total</b>				<b>\$0</b>

**Bill No. 5 Power Supply**

Item No.	Description	Unit	Qty.	Unit Price	Price
5.01	Electrical Duct bank Handholes as shown on Sheet E-02, and E-07. <i><b>Increase the number of hanholes due to the routing of ductbank around the furture Admin Bldg, per Dwg E-02 of Addendum #1.</b></i>	ea.	23		\$0
5.02	2.6 x 1.8m 5,000 L Fuel Tank including appurtenances on E-08	LS	1		\$0
5.03	Electrical Ductbank trenches as shown on Sheets E-02 and E-03.1, including all raceway and conductors between the secondary unit substation and the service disconnects and panels as indicated in the electrical drawings.	LS	1		\$0
5.04	Generator, 250 kw, with acoustical enclosure, as shown on Sheet E-09	ea.	2		\$0
5.05	Secondary Unit Substation as shown on Sheet E-04, E-05, and E-06	ea.	1		\$0
5.06	Manual Transfer Switch (300-Amp)	ea.	2		\$0
<b>Total</b>					<b>\$0</b>

**Bill No. 6 Miscellaneous Site Items**

Item No.	Description	Unit	Qty.	Unit Price	Price
6.01	Chain Link Security Fence including all related appurtenances as shown on Sheet 5.2	m	166		\$0
6.02	Chain Link Security Fence Single Swing Gate as shown on Sheet 5.3	ea.	4		\$0
6.03	Parking Space Pavement marking - 100mm Painted Yellow Stripe as shown on Sheet C-05.1	m	221		\$0
6.04	Gravel parking area, 200 mm gravel depth as shown on C-04.2	sq. m	192		\$0
6.05	Drainage pipe (200 mm HDPE) below sidewalk as shown on C-04.1	LS	1		\$0
6.06	3 x 0.96 m square tube steel fabricated bicycle rack as shown on Sheet C-05.1	LS	1		\$0
<b>Total</b>					<b>\$0</b>